8-Port DS3/E3 ATM Module for the CBX 500® and CBX 3500™ Multiservice Switches

The 8-Port DS3/E3 ATM Input/Output Module provides industry-standard DS3 physical connections and service interfaces to the CBX 500® and CBX 3500™ switches, and E3 physical connections and service interfaces to the CBX 500® switch. The ports provide trunk or user connections at data rates of 45 Mbps (DS3) or 34 Mbps (E3). You can use this module to provide high-density, high-speed ATM access services. You can also consolidate traffic from multiple access lines or from lower capacity multiservice switches for more cost-effective transport over a high-speed ATM multiservice backbone. The 8-Port DS3/E3 ATM module can help you reduce transport costs and increase revenue opportunities from high-density access services.

Applications

- Provide high-density, high-speed ATM access
- Consolidate low-speed ATM access services

Features

- High port density — up to 112 DS3/E3s per switch
- Independent logical port configuration
- Signaling support for 3,000 new VCs per second
- All ports operate at line speed
- Generous port and switch cell buffers ensure data integrity
- Optional Flow Control Processor ensures network fairness and QoS
- Hot swappable

Benefits

- Deliver the flexibility, QoS support, and performance required for high-speed multiservice networking
- Increase revenue potential by offering high-density services from a compact chassis
- Concentrate large volumes of high-speed ATM traffic cost-effectively
- Reduce operating costs and simplify network management with Navis® network management software

Technical Specifications

	Description	Specifications
1.	**Protocol Features Supported**	
	Standards Support - DS3	ITU G.703, G.804
		ANSI T1.102, T1E1.1/94-002RI, T1.107, T1.107a, T1.403
		ATM Forum UNI 3.0, 3.1
		Telcordia TR-NWT 001112, TR-TSY-000499, TR-NWT-000820
		RFC 1407
		TR54014 (AT&T ACCUNET T45 and T45R)
	*Standards Support - E3**	ITU G.703, G.705, G.751, G.832, G.804
		ATM Forum 94-0406R4
		RFC 1407

** E3 support available on CBX 500 only.*

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Technical Specifications *(continued)*

Description	Specifications
2. **Network Synchronization**	
	External and internal Stratum 3
3. **Operations, Administration and Maintenance**	
	Internal, external, and line loopbacks
	Alarm monitoring
4. **Network Management**	
	Managed by Navis® Integrated Network Management Systems
	Performance monitoring through NavisXtend™ software
5. **Physical Dimensions**	
Size:	18 in x 1.06 in x 11 in (45.72 cm x 2.69 cm x 27.94 cm)
Weight:	5 lbs (2.3 kg)
6. **Power**	
Wattage:	75 watts
7. **Environmental**	
Temperature range:	32° – 122° F (0° – 50° C)
8. **Regulatory Compliance**	
Electromagnetic Emissions Certifications:	FCC Part 15 Class A
	CISPR Class A
9. **Interfaces**	
Physical Interface	
DS3	8 ATM UNI 3.0/3.1 cell-bearing DS3 ports supporting C-bit, M-framing, PLCP per TR-TSY-000773, and direct cell mapping per G.804
E3*	8 ATM UNI 3.0/3.1 cell-bearing E3 ports supporting G.751 frmaing and direct cell mapping per G.804

** E3 support available on CBX 500 only.*

Specifications are subject to change without notice. Contact your Lucent representative for information on availability and upgrades. Lucent reserves the right to change, modify, transfer or otherwise revise this publication without notice.

To learn more about our comprehensive portfolio, please contact your Lucent Technologies Sales Representative, Lucent BusinessPartner or, visit our web site at www.lucent.com or www.lucent.com/solutions/core_switching.html.

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